

# DART SERVICE INSTRUCTION

REFERENCE: INSTALLATION INSTRUCTIONS IIN-D412-702 REV. H  
OR LATER APPROVED REVISION

The following kit is available to provide 4-point shoulder harnesses for passengers on UH-1 aircraft:

The Dart **D412-702-033** 5-Man Shoulder Harness Kit provides 4-point harnesses for the 5 fwd-facing seating positions in the UH-1 aircraft cabin. The harnesses for this kit are approved under TSO-C114. This kit should be installed as per the D412-702-023 kit in installation instructions IIN-D412-702 except that the existing tubes (p/n 205-070-709-1) for the fwd-facing seats should be used to secure the shoulder harnesses instead of the D3197-041 bars (and associated fittings, ref.).

When installing the D3196-1 Bar, it is acceptable to substitute the MS24694-S152 screws for the longer MS24694-S154 screws (or longer MS24694-Sxxx screws as required) to ensure the bar is properly secured.

For each of the two outermost passenger positions, it is acceptable to install all 4 shoulder straps onto the existing seat tubes (p/n 205-070-709-1), instead of installing one on the D3196-1 Bar as per IIN-D412-702. Thus, for cases where the centermost seating position has been removed (or not used), installation of the D3196-1 Bar is not required.

The parts list for the kits are as follows:

QTY -033	Part Number	Description
X	D412-702-033	Dart 5-Man Shoulder Harness Kit, 4-point, for UH-1 aircraft
1	D3196-1	Bar
5	D4387-041	Harness Assembly, 4 point (was D3446-041)
2	D3268-1	Placard
5	D3551-11	Hook and Loop Tie
2	MS24694-S152	Screw
2	MS24694-S154	Screw (use either -S152, -S154, or longer screws as req'd)

**NOTE:** D412-702-033 @ CHG 003 and subsequent includes D4387-041 Harness Assemblies. If replacing a D3446-041 Harness Assembly for kits at CHG 002 or earlier, replace with a D4387-041 Harness Assembly.

C	REFORMAT, D4387-041 HARNESS REPLACES D3446-041	CP	21.06.01
B	REFORMAT, ADD -S154 SCREWS	CP	06.03.24
A	NEW ISSUE	CP	05.09.29
REV.	DESCRIPTION	BY	DATE
DESIGN	CP	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA	
DRAWN	CP		
CHECKED	SAD	DRAWING NO.	REV. C
MFG. APPR.	N/A	DSI 9312	SHEET 1 OF 1
APPROVED	CP	TITLE	SCALE
DE APPR.	CP	UH-1 HARNESS INSTALLATIONS	NTS
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